

# Do More. Carry Less.

At Work, At Home, On the Road

## Key Sales Messages

### For Large Business

- Enhance workforce productivity and efficiency with smarter, faster, leaner mobile computing, for increased TBO
- Reduce qualification and deployment time with stable platform for decreased TCO
- Leverage the power of visual computing, XML and other technologies to enhance creation, collaboration and data accessibility across your enterprise
- Maximize the benefits of enterprise management software applications to improve communications and customer service
- Take advantage of wireless technologies for maximum flexibility, mobility, efficiency, productivity

### For Small Business

- Increase profitability—invest in notebooks with good ROI and investment protection
- Increase productivity by staying connected with customers and colleagues, accessing Web, e-mail and the Internet no matter where you are
- Enhance efficiency—work from home or on the road, use video conferencing and document sharing, work leaner with a thinner, lighter notebook, use wireless technologies
- Reach new customers, retain existing ones with access to critical information and enterprise management software applications anywhere, anytime
- Deliver graphics-rich presentations anywhere, solve customer problems on the spot

### For Consumers

- Communicate from anywhere—stay in touch with family and friends, share video, digital photos
- Increase flexibility and productivity with access to the Web, e-mail, school projects, travel schedules, personal finances whenever, wherever you want
- Maximize your digital entertainment options with movies, music and games anywhere, anytime
- Take advantage of new e-learning technologies to enhance your knowledge and pursue hobbies wherever you are
- Get the performance, light weight and long battery life you need for your mobile lifestyle, with a choice of great styles and prices

## Intel® Mobile Solutions

### Intel's Fastest Mobile Processor

#### Mobile Intel® Pentium® 4 Processor - M

- Outstanding performance
- Power-saving features for long battery life

### Intel's Lowest Power Mobile Processor

#### Mobile Intel® Pentium® III Processor - M

- Mainstream performance
- Outstanding battery life

	Mobile Intel® Pentium® 4 Processor - M	Mobile Intel® Pentium® III Processor - M
Processor Frequency up to:	2.20 GHz	1.33 GHz
Process Technology	0.13 Micron	0.13 Micron
On-die L2 Cache	512 KB	512 KB
Data Prefetch Logic	Yes	Yes
Processor System Bus	400 MHz	133 MHz
Execution Trace Cache	Yes	No
Hyper-pipelined Technology	Yes	No
Streaming SIMD Extensions II	Yes	No
Rapid Execution Engine	Yes	No
Enhanced Intel SpeedStep® Technology	Yes	Yes
Deeper Sleep Alert State	Yes	Yes
Low Volt and Ultra Low Volt Processors options	No	LV 1 GHz ULV 866 MHz
Packaging Technology	Micro FCPGA	Micro FCPGA/ Micro FCBGA

Intel® NetBurst™ Microarchitecture

Intel® Low Power Management Technologies

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Order Number: 250351-003

## Mobile Intel® Pentium® 4 Processor - M

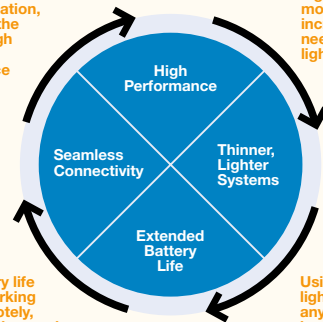
Quick Reference Pocket Guide

Delivers outstanding benefits most important to notebook users



Today's network bandwidth allows access to all your information, increasing the need for high processor performance

Maximizing productivity with high performance mobile PCs increases the need for thinner, lighter systems



Long battery life enables working longer remotely, increasing the need for seamless wired and wireless network connectivity

Using thin-and-light systems anywhere, anytime increases the need for extended battery life

intel®

# Mobile Intel® Pentium® 4 Processor - M

## Outstanding Performance and Long Battery Life in Thinner, Lighter Notebooks

### Features

### Functions and Benefits

#### High Performance

- **Clock Speeds to 2.20 GHz** • Fastest Intel® mobile processor speed, outstanding performance for demanding applications
- **Advanced Transfer Cache: 512 KB On-Die Full-Speed L2** • Stores twice the data of previous mobile processors in on-chip memory for quick access and fast response

#### Intel® NetBurst™ Microarchitecture:

- **400 MHz Processor System Bus** • Increased bandwidth for 3X faster data transfer between memory, graphics, bus devices for enhanced performance
- **Execution Trace Cache** • Innovative storage of decoded instructions for more efficient cache memory, improved performance
- **Hyper-pipelined Technology** • Increased processor performance, frequency for improved efficiency, speed, PC life, scalability
- **Second-Generation Streaming SIMD Extensions (SSE2)** • Accelerated processing for video, multimedia, 3D, encryption, other high-demand applications improves performance, download speeds, image quality
- **Rapid Execution Engine** • Higher throughput for running calculation-intensive applications faster, less wait time

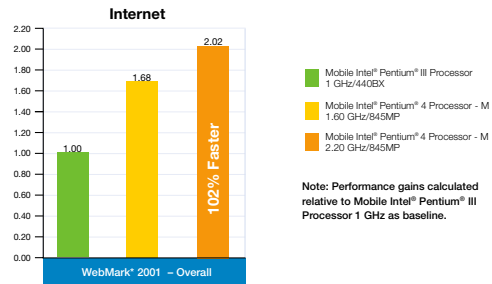
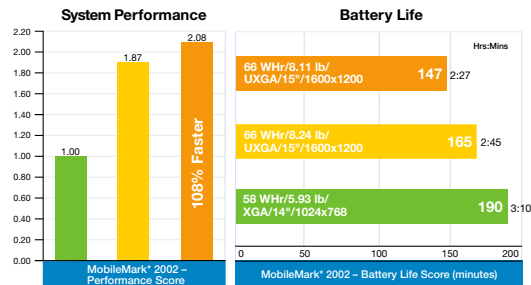
#### Extended Battery Life

- **Enhanced Intel SpeedStep® Technology** • Automatic performance and power usage optimization based on CPU demand, for longer battery life
- **Deeper Sleep Alert State** • New dynamic power management mode extends battery life

#### Thinner, Lighter Systems

- **0.13 Micron Process Technology** • Smallest, fastest, transistors enable higher speeds, lower power consumption in small mobile package
- **Thin & Small Package Technology (Micro FCPGA chip packaging)** • Intel packaging technology requires less space, for higher performance in thinner, lighter systems

## Mobile Intel® Pentium 4 Processor - M Delivers an Awesome Mobile Experience



Performance tests and ratings are measured using specific computer systems and/or components and reflect the approximate performance of Intel products as measured by those tests. Any difference in system hardware or software design or configuration may affect actual performance. Buyers should consult other sources of information to evaluate the performance of systems or components they are considering purchasing. For more information on performance tests and on the performance of Intel products, reference [www.intel.com/performance](http://www.intel.com/performance) or call (U.S.) 1-800-628-8686 or 1-916-356-3104.

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